

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 16 August 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The depression over south Chhattisgarh and adjoining Vidarbha moved westnorthwestwards during past 6 hours and lies centered at 1430 hrs IST of today, the 16th August, 2018 over East Vidarbha & neighbourhood near Lat. 20.7°N and Long. 79.5°E, about 65 Km southeast of Nagpur (Vidarbha) and about 100 km eastnortheast of Wardha (Vidarbha). It is very likely to move westnorthwestwards and weaken gradually into a well marked low pressure area during next 24 hours. Under its influence,
- widespread rainfall with heavy to very heavy rainfall at a few places and extremely heavy falls at isolated places very likely over Marathawada and Vidarbha and parts of Madhya Maharashtra & north Konkan during next 24 hours. Widespread rainfall with heavy to very heavy rainfall and extremely heavy falls at isolated places very likely over Gujarat, north Konkan and north Madhya Maharashtra on 17th. Squally winds speeds reaching 3545 kmph gusting to 55 kmph is likely over Marathawada, Vidarbha, Madhya Maharashtra, Konkan and North Interior Karnataka during next 24 hours.
- The ongoing intense rainfall activity over Kerala, Karnataka and Ghat areas of Tamilnadu is likely to reduce from tomorrow. The resultant dust loading from a dust storm which occurred over Afghanistan two days back is likely to continue to prevail as light dust/haze conditions over parts of Saurashtra & Kutch during next 24 hours.
- Heavy to very heavy rain and Extremely heavy falls occurred at isolated places over Kerala, Tamilnadu, Coastal Karnataka, Chhattisgarh and Meghalaya from 0830 hours IST of yesterday to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours IST yesterday to 0830 hours IST of today): Rain/thundershowers observed at most places over East Uttar Pradesh, Gangetic West Bengal, Lakshadweep, Kerala, Konkan & Goa, Coastal & South Interior Karnataka, Chhattisgarh, Coastal Andhra Pradesh, Madhya Pradesh, Jharkhand, Vidarbha, Marathawada and Telangana; at many places over Andaman & Nicobar Islands, Tamilnadu & Puducherry, East Rajasthan, SubHimalayan West Bengal & Sikkim, Rayalaseema and Madhya Maharashtra; at a few places over Assam & Meghalaya and West Uttar Pradesh and at

isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Rajasthan and Nagaland, Manipur, Mizoram & Tripura. Rainfall recorded at 0830 hours IST of today (8 cm or more) were: Valparai30; Agumbe20; Sohrai19; Palakkad17; Mahabaleswar14; Kozhikode and Karipur(A.P)13each; Kochi11; Adilabad, Bramhapuri Jagdalpur, and Chandrapur9 each and Ramgundam8.

- Maximum temperature departures as on 15082018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over East Rajasthan and Bihar; at many places over Himachal Pradesh, Haryana, Chandigarh & Delhi, SubHimalayan west Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura; at a few places over West Madhya Pradesh; and at isolated places over Uttar Pradesh, Odisha, Gangetic West Bengal, East Madhya Pradesh, Vidarbha, Gujarat and Assam & Meghalaya. They were appreciably below normal (3.1° C to 5.0° C) at most places over Coastal Andhra Pradesh; at many places over Telangana and Kerala; at isolated places over Tamilnadu & Puducherry below normal (1.6° C to 3.0° C) at a few places over Rayalaseema and South interior Karnataka. Yesterday, the highest maximum temperature of 39.4°C was recorded at Churu (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 16082018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Uttarakhand and SubHimalayan West Bengal & Sikkim; at many places over Arunachal Pradesh, Jammu & Kashmir, Punjab, Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal; at a few places over Himachal Pradesh, East Rajasthan and Andaman & Nicobar Islands and at isolated places over West Rajasthan, Gujarat, Haryana, Chandigarh & Delhi, Jharkhand & Odisha. They are below normal (1.6° C to 3.0° C) at a few places over Madhya Pradesh, Chhattisgarh, Telangana, Lakshadweep, Kerala & Tamilnadu & Puducherry and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 16 August (Day 1): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Marathwada and Vidarbha; Heavy to very heavy rain with extremely heavy falls at isolated places over Madhya Maharashtra and north Konkan; heavy rain at a few places with very heavy rain at isolated places very likely over Coastal Karnataka and Kerala; heavy to very heavy rain at isolated places very likely over Assam & Meghalaya, interior Karnataka, Tamilnadu and Gujarat Region and heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, East Rajasthan, south West Madhya Pradesh and Telangana. Squally winds, speed reaching 3545 kmph gusting to 55 kmph very likely over Vidarbha, Marathwada, Madhya Maharashtra, Konkan, North Interior Karnataka and northwest Telangana. Rough to very rough sea conditions are likely to prevail over and along south Odisha, Gujarat, Maharashtra, Goa, Karnataka and Kerala coasts and over westcentral and adjoining northwest Bay of Bengal and westcentral and southwest Arabian Sea. Fishermen are advised not to venture into the sea over these areas.
- 17 August (Day 2): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Gujarat Region; Heavy to very heavy rain with extremely heavy falls at isolated places over north Madhya Maharashtra, north Konkan and Saurashtra; heavy to very heavy rain at isolated places very likely over Coastal Karnataka and Kerala and heavy rain at isolated places over Uttarakhand, Himachal Pradesh, East Rajasthan, South

Interior Karnataka, Tamilnadu, west Vidarbha and south West Madhya Pradesh. Rough to very rough sea conditions are likely to prevail over and along Gujarat, Maharashtra, Goa, Karnataka and Kerala coasts and over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into the sea over these areas.

- 18 August (Day 3): Heavy to very heavy rain at isolated places very likely over Coastal Karnataka, Gujarat Region and Saurashtra and heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, East Rajasthan, Kerala, Madhya Maharashtra and north Konkan. Rough to very rough sea conditions are likely to prevail over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into the sea over these areas.
- 19 August (Day 4): Heavy to very heavy rain at isolated places likely over Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, Coastal Karnataka and Chhattisgarh.
- 20 August (Day 5): Heavy to very heavy rain at isolated places likely over Chhattisgarh and heavy rain at isolated places likely over Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Jharkhand, Odisha, Gangetic West Bengal, Uttar Pradesh, Vidarbha, Madhya Pradesh and north Konkan..
- The weather outlook for the period of seven days *i.e* 14 to 21 August 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, West Bengal & Sikkim, Bihar, Jharkhand Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat, Konkan & Goa, Vidarbha, Marathawada, Madhya Maharashtra, Karnataka, Coastal Andhra Pradesh, Rayalaseema, Telangana, Kerala, Tamilnadu, Lakshadweep, Andaman & Nicobar Islands and eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Assam

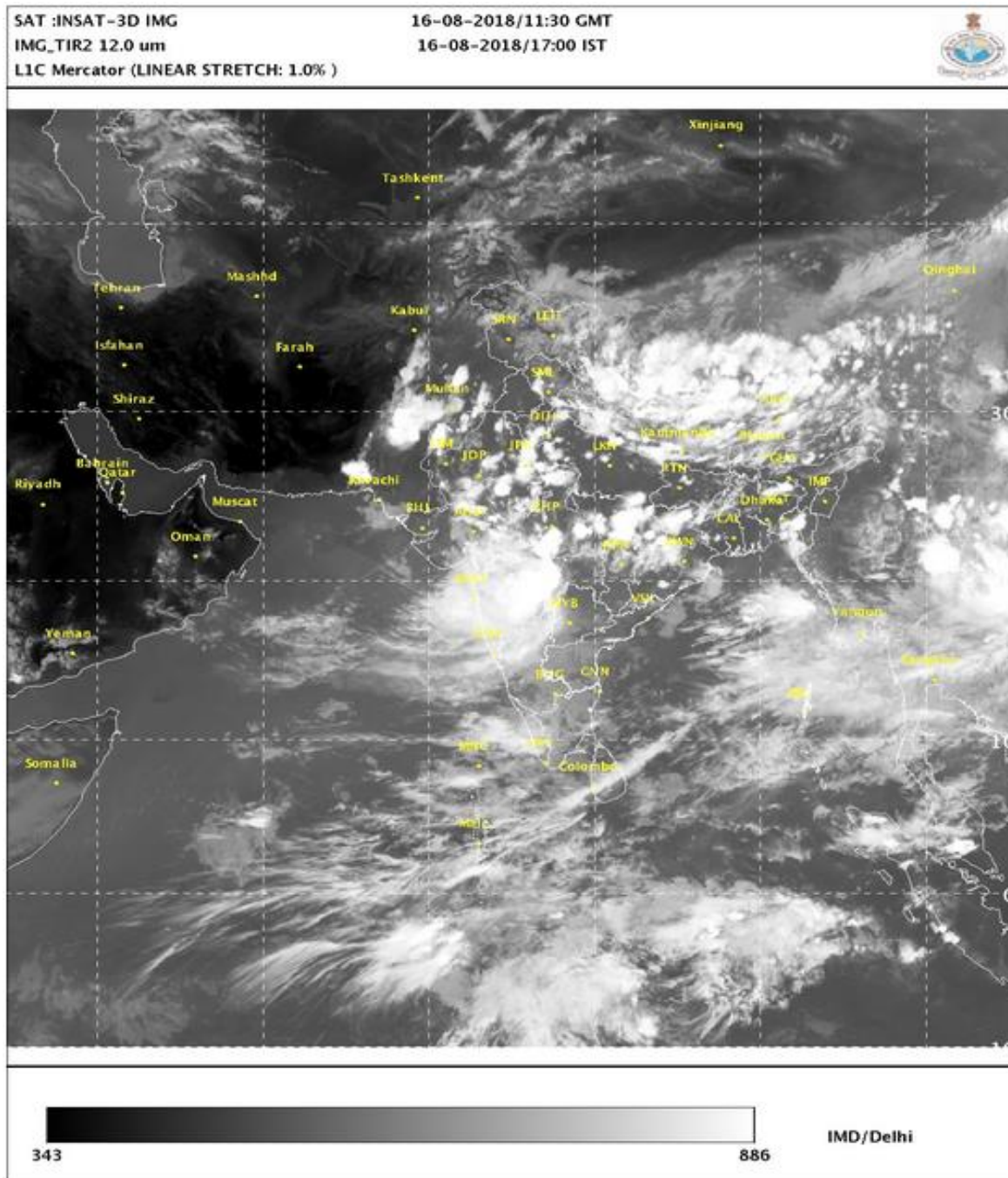
Weather condition

Medium rainfall received in Assam state during past few days. Maximum temperatures were ranged between 31-35°C and 24-26°C respectively.

Contingency measure:

- sali rice: In flood affected areas farmers are advised to grow rice varieties like Andrew Sali, Biraj, MonoharSali, Kmj-1-19-1, Luit, Kapilee, etc by mid August.
- Sesamum (Summer): Collect and sow the recommended varieties of sesame like Gauri, Madhavi, Punjab Tall No-1 etc.

- Summer vegetables: Make provisions in the gardens so that excess rain-water is quickly drained out during the ensuing rainy season. If the attack of fruit fly, red pumpkin beetle and epilechna beetle in summer gourds may observed, spray endosulphon or malathion 50 EC @ 1 ml per litre in the field to control these insects when the weather is sunny.
- Gamosis disease in citrus plants can be controlled by draining excess water from the field. The affected portion should be scraped with a little extra healthy tissue without injure the wood and then smear Bordeaux paste(1.2 linseed oil).
- Sugarcane: The second earthing up of sugarcane should be done two months after the first earthing up. The second earthing up will transform the trenches/furrows into ridges. The furrows thus made in between the ridges will facilitate draiage of excess water during high rainfall.
- Poultry: Poultry growers can use the hybrid variety of chicken like BV 300, Babcock, BV 380 etc for egg production purpose.



**Figure: 1. Latest available satellite picture as on 16 August 2018 at 1700 Hrs (IST).
 (Source: IMD).**

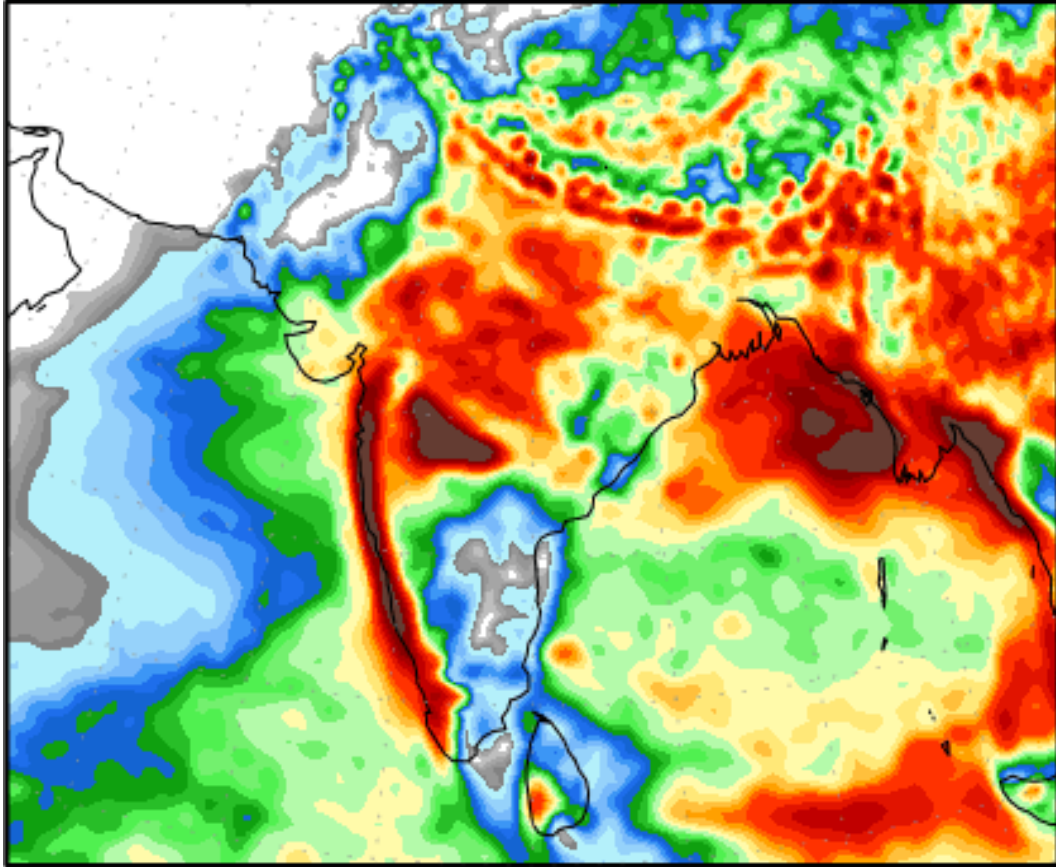


Figure: 2. Precipitation forecast for 16 to 24 August 2018 (Source: NOAA NCEP).